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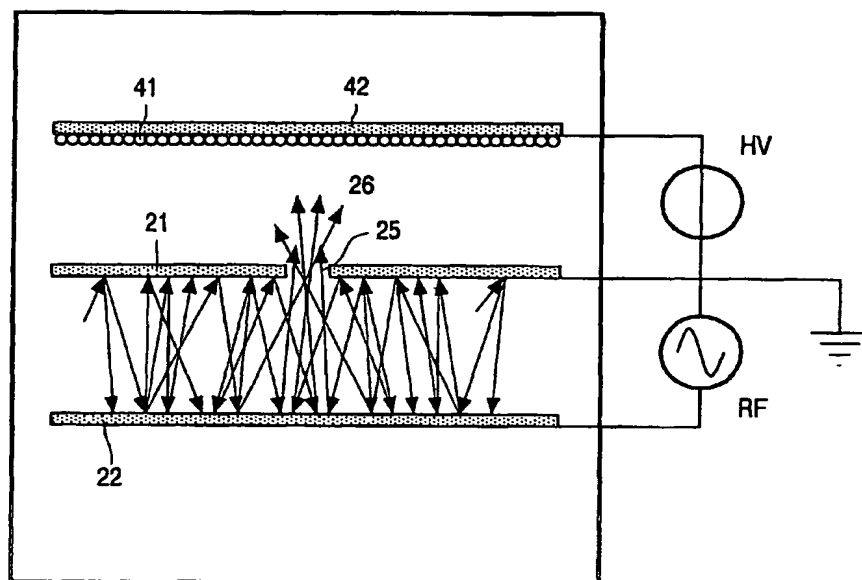
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(54) Title: MATRIX DISPLAY DEVICE



(57) Abstract: A matrix display device comprises cavities (20) having walls at least one of which is covered with a material (24) having a secondary emission coefficient of more than unity. The cavities form a planar arrangement substantially parallel to the display screen which has a phosphor display screen. The cavities are provided with electrodes (21, 215, 217, 225, 228) and the display device has a circuit for supplying an oscillating AC voltage ( $V_r$ ,  $V_{RF}$ ) to said electrodes (21, 215, 217, 225, 228) for generating electrons within the cavities by secondary emission. The cavities (20) have apertures (25) facing the screen (41), and the display device has a circuit for selectively letting electrons generated within the cavities pass said apertures and accelerating electrons having passed said apertures to the phosphor display screen.